

Amendments to the Claims

1. *(Original)* A method of determining an angle α of an external magnetic field relative to a magneto resistive angle sensor with two full bridges which respectively supply an output signal $U_1 = U_0 \sin(2\alpha)$, $U_2 = U_0 \cos(2\alpha)$, characterized in that the angle α is determined in an analog manner using the relation $\alpha = \frac{1}{2} * ((U_1/(|U_1|+|U_2|))-1 * \text{sgn}(U_2))$.
2. *(Currently Amended)* ~~A method as claimed in claim 1,~~ The method as recited in claim 1, characterized in that AMR anisotropic magneto resistive (AMR) bridges are used.
~~bridges are used, in particular Wheatstone bridges.~~
3. *(Currently Amended)* ~~A method as claimed in claim 1 or 2,~~ The method as recited in claim 1, characterized in that output signals of the bridges are processed using analog elements.
4. *(Currently Amended)* ~~The use of the method as claimed in any of claims 1 to 3 in motor vehicle technology, in particular for pedal monitoring and/or throttle monitoring,~~
as recited in claim 1 in motor vehicle technology, for monitoring at least one of the following: pedal or throttle.
5. *(New)* The method as recited in claim 2, characterized in that output signals of the bridges are processed using analog elements.
6. *(New)* The method as recited in claim 2, characterized in the AMR bridges are Wheatstone bridges.
7. *(New)* The use of the method as recited in claim 2 in motor vehicle technology, for monitoring at least one of the following: pedal or throttle.
8. *(New)* The use of the method as recited in claim 3 in motor vehicle technology, for monitoring at least one of the following: pedal or throttle.

9. (*New*) The method as recited in claim 4, wherein the pedal includes at least one of the following: brake pedal, gas pedal.